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Substitute for form 1449/PTO

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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 3

Application Number	10/518,337
Filing Date	December 15, 2004
First Named Inventor	Richard A. Ales
Art Unit	not yet assigned
Examiner Name	not yet assigned

Attorney Docket Number 22188/06938

## U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
X		US- 6,327,912	12/11/01	Basile et al.	
		US- 6,301,512	10/09/01	Motzer	
		US- 5,884,232	03/16/99	Buder	
		US- 5,719,785	02/17/98	Standifer	
		US- 5,535,136	07/09/96	Standifer	
		US- 5,499,540	03/19/96	Whaley et al.	
		US- 5,321,506	06/14/94	Sargent	
		US- Re. 34,063	09/15/92	Vincent et al.	
		US- 5,099,437	03/24/92	Weber	
		US- 4,791,839	12/20/88	Bickford et al.	
		US- 4,791,816	12/20/88	Grare et al.	
		US- 4,573,359	03/04/86	Carstensen	
		US- 4,233,723	11/18/80	Eshghy	
		US- 4,014,208	03/29/77	Moore et al.	
		US- 3,103,373	09/10/63	Lennon et al.	
		US- 3,325,192	06/13/67	Sullivan	
		US- 4,127,927	12/05/78	Hauk et al.	
		US- 4,356,402	12/28/82	McCombs et al.	
X		US- 4,592,125	06/03/86	Skene	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>5</sup> (if known)				
X		GB 264,762	01/27/27	Marcus Allen		
W		GB 1361372	07/24/74	The Weatherhead		
S		GB 2353342	02/21/01	Seymour et al.		
X		WO 99/31499	06/24/99	Mecon Ltd.		

Examiner  
Signature

John Chapman

Date  
Considered

10/20/06

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Sheet

2 of 3

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X		US- 4,614,120	09/30/86	Fradin et al.	
		US- 4,655,159	04/07/87	McMills	
		US- 4,700,576	10/20/87	Grare et al.	
		US- 4,962,579	10/16/90	Moyer et al.	
		US- 5,074,599	12/24/91	Wirbel et al.	
		US- 5,233,742	08/10/93	Gray et al.	
		US- 5,280,967	01/25/94	Varrin, Jr.	
		US- 6,279,242	08/28/01	Williams et al.	
		US- 6,345,845	02/12/02	Johnston	
		US- 6,438,814	08/27/02	Seymour et al.	
		US- 5,807,048	09/15/98	d'Agraives et al.	
		US- 6,360,609	03/26/02	Wooh	
		US- 3,218,845	11/23/65	Joy	
X		US- 3,287,813	11/29/66	Lennon et al.	
		US-			

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Sheet	3	of	3
		Attorney Docket Number	
		22188/06938	

<b>NON PATENT LITERATURE DOCUMENTS</b>			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Article "Development of the Intelligent System for Monitoring the Fitting Condition of Inserted Tubes", Wenzhong Yang, May 21, 2003.	
		Article "Correlation Analysis of Spatial Time Series Datasets: A Filter-and-Refine Approach", Pusheng Zhang et al.,	
		Article "Complex Wavelet Analysis of Ultrasonic Signals", Wen-xian Yang et al.	
		International Search Report of PCT/US03/18812.	
		International Search Report of PCT/US03/19133.	
X		Article "Investigation of Signal Characteristics Using the Continuous Wavelet Transform", John Sadowsky, pgs. 258-269, Johns Hopkins APL Technical Digest, Vol. 17, No. 3, 1996	
X		Article "Ultraschallprüfung Grundlagen und industrielle Anwendungen", Deutsch V. et al. pgs 55-73, 1997, XP002279058 Berlin Heidelberg New York.	

Examiner Signature	John Chapman	Date Considered	10/20/06
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